

150
102
104
106
108
110

a.

| | | | | | | |
|----------|------|-----|-------|-----|-------|-----|
| F1= | F2= | F3= | F4= | F5= | F6= | F7= |
| Prob Set | Prob | a+b | Trans | ? | Tools | |

P1: Solve for x

$x^2 - 3 \cdot x = 4$

MAIN RAD AUTO FUNC 1/1

b.

SELECT TRANSFORMATION

$x^2 - 3 \cdot x = 4$

- 1: add ? to each side
- 2: multiply each side by ?
- 3: switch sides
- 4: factor left-hand side
- 5: complete the square
- 6: enter subexpr selection

TYPE OR USE \leftrightarrow F1 = (ENTER) OR (ESC)

MAIN RAD AUTO FUNC 1/1

c.

add ? to each side

$x^2 - 3 \cdot x = 4$

? = -4

Enter=OK ESC=CANCEL

MAIN RAD AUTO FUNC 1/1

d.

| | | | | | | |
|----------|------|-----|-------|-----|-------|-----|
| F1= | F2= | F3= | F4= | F5= | F6= | F7= |
| Prob Set | Prob | a+b | Trans | ? | Tools | |

P1: Solve for x

$x^2 - 3 \cdot x = 4$

► add -4 to each side

Press <ENTER>

MAIN RAD AUTO FUNC 12/133

e.

| | | | | | | |
|----------|------|-----|-------|-----|-------|-----|
| F1= | F2= | F3= | F4= | F5= | F6= | F7= |
| Prob Set | Prob | a+b | Trans | ? | Tools | |

P1: Solve for x

$x^2 - 3 \cdot x = 4$

► add -4 to each side

$x^2 - 3 \cdot x + -4 = 4 + -4$

MAIN RAD AUTO FUNC 1/1

f.

| | | | | | | |
|----------|------|-----|-------|-----|-------|-----|
| F1= | F2= | F3= | F4= | F5= | F6= | F7= |
| Prob Set | Prob | a+b | Trans | ? | Tools | |

P1: Solve for x

$x^2 - 3 \cdot x = 4$

► add -4 to each side

$x^2 - 3 \cdot x + -4 = 4 + -4$

► simplify

Press <ENTER>

MAIN RAD AUTO FUNC 12/133

g.

| | | | | | | |
|----------|------|-----|-------|-----|-------|-----|
| F1= | F2= | F3= | F4= | F5= | F6= | F7= |
| Prob Set | Prob | a+b | Trans | ? | Tools | |

P1: Solve for x

$x^2 - 3 \cdot x = 4$

► add -4 to each side

$x^2 - 3 \cdot x + -4 = 4 + -4$

► simplify

$x^2 - 3 \cdot x - 4 = 0$

MAIN RAD AUTO FUNC 1/1

h.

SELECT TRANSFORMATION

$x^2 - 3 \cdot x - 4 = 0$

- 1: add ? to each side
- 2: multiply each side by ?
- 3: switch sides
- 4: factor left-hand side
- 5: quadratic formula
- 6: enter subexpr selection

MAIN RAD AUTO FUNC 1/1

i.

| | | | | | | |
|----------|------|-----|-------|-----|-------|-----|
| F1= | F2= | F3= | F4= | F5= | F6= | F7= |
| Prob Set | Prob | a+b | Trans | ? | Tools | |

P1: Solve for x

$x^2 - 3 \cdot x - 4 = 4 + -4$

► simplify

$x^2 - 3 \cdot x - 4 = 0$

► factor left-hand side

$(x - 4) \cdot (x + 1) = 0$

MAIN RAD AUTO FUNC 1/1

j.

SELECT TRANSFORMATION

$(x - 4) \cdot (x + 1) = 0$

- 1: add ? to each side
- 2: multiply each side by ?
- 3: switch sides
- 4: A·B=0 → A=0 or B=0
- 5: distribute multiplication
- 6: (A+B)·C → A·C + B·C
- 7: A·(B+C) → A·B + A·C

MAIN RAD AUTO FUNC 1/1

k.

| | | | | | | |
|----------|------|-----|-------|-----|-------|-----|
| F1= | F2= | F3= | F4= | F5= | F6= | F7= |
| Prob Set | Prob | a+b | Trans | ? | Tools | |

P1: Solve for x

$x^2 - 3 \cdot x - 4 = 0$

► factor left-hand side

$(x - 4) \cdot (x + 1) = 0$

► A·B=0 → A=0 or B=0

$x - 4 = 0$ or $x + 1 = 0$

MAIN RAD AUTO FUNC 1/1

l.

SELECT TRANSFORMATION

$x - 4 = 0$ or $x + 1 = 0$

- 1: solve linear equation
- 2: enter subexpr selection

TYPE OR USE \leftrightarrow F1 = (ENTER) OR (ESC)

MAIN RAD AUTO FUNC 1/1

m.

| | | | | | | |
|----------|------|-----|-------|-----|-------|-----|
| F1= | F2= | F3= | F4= | F5= | F6= | F7= |
| Prob Set | Prob | a+b | Trans | ? | Tools | |

P1: Solve for x

$(x - 4) \cdot (x + 1) = 0$

► A·B=0 → A=0 or B=0

$x - 4 = 0$ or $x + 1 = 0$

► solve linear equation

$x = 4$ or $x = -1$

MAIN RAD AUTO FUNC 1/1

n.

| | | | | | | |
|----------|------|-----|-------|-----|-------|-----|
| F1= | F2= | F3= | F4= | F5= | F6= | F7= |
| Prob Set | Prob | a+b | Trans | ? | Tools | |

P1: Solve for x

$x^2 - 3 \cdot x - 4 = 0$

► quadratic formula

$x = \frac{-3 \pm \sqrt{(-3)^2 - 4 \cdot 1 \cdot -4}}{2 \cdot 1}$

MAIN RAD AUTO FUNC 1/1

o.

| | | | | | | |
|----------|------|-----|-------|-----|-------|-----|
| F1= | F2= | F3= | F4= | F5= | F6= | F7= |
| Prob Set | Prob | a+b | Trans | ? | Tools | |

P1: Solve for x

► quadratic formula

$x = \frac{-3 \pm \sqrt{(-3)^2 - 4 \cdot 1 \cdot -4}}{2 \cdot 1}$

► simplify

$x = 4$ or $x = -1$

MAIN RAD AUTO FUNC 1/1

Best Available Copy

